

WHAT IS CLAIMED IS:

1. A reflection-diffusion structure adopted for a lightguide plate, comprising:

a left wall made of a first reflection material;

a right wall relating to the left wall and made of a second reflection material;

5 a bottom wall connecting the left wall and the right wall, and made of a third reflection material;

a top wall relating to the bottom wall and connecting the left wall and the right wall, the top wall including a size-adjustable diffusion area made of a diffusion material; and

10 a receiving cavity formed by the left wall, the right wall, the top wall and the bottom wall for receiving the lightguide plate and a light;

wherein the left wall, the right wall, the top wall and the bottom wall are made integrally in one piece, the first reflection material, the second reflection material, the third reflection material and the diffusion material are made
15 integrally in one piece.

2. The reflection-diffusion structure claimed as claim 1, wherein the first reflection material, the second reflection material, the third reflection material and the diffusion material are formed by injection molding

3. The reflection-diffusion structure claimed as claim 1, wherein the top wall
20 includes a size-adjustable reflection area, which is made of a fourth reflection material, mating with the diffusion area for modifying a size of the diffusion area, and the fourth reflection material, the first reflection material, the second reflection material, the third reflection material and the diffusion material are made integrally in one piece.

25 4. The reflection-diffusion structure claimed as claim 3, wherein the first reflection material, the second reflection material, the third reflection material,

the fourth reflection material and the diffusion material are made from plastic materials.

5 5. The reflection-diffusion structure claimed as claim 1, wherein the first reflection material, the second reflection material, the third reflection material, and the fourth reflection material are made of opaque materials.

6. The reflection-diffusion structure claimed as claim 1, wherein the diffusion material is made of a transparent material and has a matte-finished face.

7. The reflection-diffusion structure claimed as claim 1 further including an overlapping piece connecting to the top wall or the bottom wall for overlapping
10 and connecting to the right wall or the left wall to form thereby the receiving cavity, wherein the overlapping piece is made of a fifth reflection material.

8. The reflection-diffusion structure claimed as claim 1, further including two reflection members disposed on two opposing ends of the left wall, the right wall, the top wall and the bottom wall, respectively, to wrap completely the
15 lightguide plate therein.

9. The reflection-diffusion structure claimed as claim 8, wherein the two reflection members respectively extend from the opposing ends of the bottom wall, and fold upwardly to connect the top wall.